

ABSTRACT

A mobile concrete pump comprising a structural frame (14) mounted on the undercarriage (10) of a truck chassis (12), a boom stand (22) that is provided on the structural frame (14) and that is rotatable about a vertical axis (20) and a concrete distribution boom (24) configured in the form of multi-arm articulated boom (24). The concrete distributing boom consisting, for example, of six arms, has a first boom arm (1) with a first articulation linkage (A), which rotates with respect to the tabernacle (22), in addition to other boom arms (2 to 6) arranged with the articulation linkages (B to F), which arms can rotate with respect to one another. In order to make possible the use of a distributing boom with a longer reach, a trailer (32) having its own undercarriage (34) is provided, said trailer being connected to the truck undercarriage (10) by a coupling member (36) in the transport condition. The trailer (32) has a pivot member (40) rotatable about a vertical axis (38) for receiving an arm set (42) that projects beyond the rear end of the truck undercarriage (10) in the transport condition. The arm ensemble (42) consists of the second arm (2) extending in the extended position of the second articulation (B) with respect to the first boom arm (1) and the remaining boom arms (3 to 6) which are folded with respect to the second boom arm (2), and forms the coupling member (36) together with the first boom arm (1), whereby the vertical axes (20,38) of the boom stand (22) and the pivot mount (40) are configured as free rotational axes of the coupling member (36) in the transport condition while the second articulation linkage (B) can be freely rotated about its pivotal axis.